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AMENDED CLAIMS - JANUARY 28, 2005  
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CLAIMS:

(amended January 28, 2005)

1. A process for the preparation of isotonic oil emulsions containing estrogen and progestagen for intravenous administration, comprising the steps of:
  - (A) dissolving at least one of the hormones estrogen and progestagen in an oil phase; and
  - (B) emulsifying the oil phase in the aqueous phase;in the presence of an emulsifier.
2. A hormone-containing isotonic oil emulsion for intravenous administration comprising progestagens and estrogens, obtainable by the process according to claim 1.
3. The hormone-containing isotonic oil emulsion for intravenous administration according to claim 2, comprising progestagens and estrogens in a ratio of from 2:1 to 200:1.
4. The oil emulsion according to claim 2 or 3, characterized in that the emulsion contains from 0.005 to 0.5% by weight of an estrogen and from 0.05 to 5% by weight of a progestagen, based on the total composition.
5. The oil emulsion according to any of claims 2 to 4, characterized in that said estrogen is estradiol and said progestagen is progesterone.
6. The oil emulsion according to any of claims 2 to 5, characterized in that said oil phase comprises medium chain triglycerides (MCT) having a chain length of from 6 to 12, preferably from 8 to 10, carbon atoms.
7. The oil emulsion according to any of claims 2 to 6, characterized by containing up to 1.5% by weight of the emulsifier, based on the total composition.

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8. Use of the isotonic oil emulsion according to any of claims 2 to 7 for preparing a medicament for intravenous administration of estrogen and progesterone for postnatal hormone substitution in premature babies.
9. Use of the isotonic oil emulsion according to any of claims 2 to 7 for preparing a medicament for the treatment of neurological damage after strokes.
10. A process for hormone substitution in premature babies by using the isotonic oil emulsion according to any of claims 2 to 7.
11. A process for the treatment of neurological damage after strokes by using the isotonic oil emulsion according to any of claims 2 to 7.

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